

CHAPTER 13

MULTI-PLACE LIFERAFTS (MPLR A/A), LRU-30A/A (8-MAN), LRU-31A/A (12-MAN), AND LRU-32A/A (20-MAN)

Section 13-1. Description

13-1. GENERAL.

13-2. The MPLR are multi-place liferafts intended for use by aircrewmembers and passengers forced down at sea (figure 13-1).

13-3. CONFIGURATION.

13-4. The newly configured MPLR LRU-30A/A (8-man), LRU-31A/A (12-man), and LRU-32A/A (20-man) consist of the liferaft in a polymer tub with a cover, and webbing straps with frangible links. The tub cover has a clear window for verification of the carbon dioxide bottle charge. The frangible links are designed to break at 180 pounds of force as the liferaft expands when actuated. The tub assembly is stowed in a newly configured container that incorporates protective skids on the bottom for horizontal storage and at the end opposite of the inflation pull handle for vertical stowage. The container is custom fitted to the tub, streamlining the overall package. This new configuration functions exactly as the old vacuum bagged version, only packaging of the liferaft and container have changed, the liferafts themselves are unchanged.

13-5. APPLICATION.

13-6. Multi-place liferafts are authorized for all rotary and fixed wing transport aircraft. Selection shall be based on mission, available storage space, and total number of crew and passengers carried. Additional consideration shall be made for the liferaft inspection

cycle. C-130 series (except the C-130J) wing storage is limited to the LRU-15/A in the wing installation configuration. The C-130J wing storage is limited to the LRU-33/A and the Air Cruisers 46-man P/N 63880-103/104. The V-22 is limited to the LRU-34/A and liferafts listed in the current V-22 flight clearance.

13-7. FUNCTION.

13-8. The LRU-30A/A, LRU-31A/A, and LRU-32A/A are inflated by pulling the inflation pull handle attached to the actuation/mooring line. The inflation pull handle and actuation/mooring line are stowed in a pocket at the opposite end of the carrying case that has protective skids (used for vertical storage). The actuation/mooring line has a snaphook attached to the bitter end for attachment to the aircraft or the person(s) launching the liferaft. The newly configured MPLR has a shortened stroke to actuate the liferaft. Pulling the inflation pull handle will fully inflate the liferaft, boarding ramps and canopy. The survival equipment container is tethered to the liferaft and should be retrieved after entering liferaft.

CAUTION

The LRU-30A/A, LRU-31A/A, and LRU-32A/A are not designed to be air dropped. The search and rescue model manager will develop procedures for dropping the MPLR in emergency situations. These procedures will be published in NATOPS when completed.

Section 13-2. Modifications

13-9. GENERAL.

13-10. There are no authorized modifications to the MPLR A/A at this time.

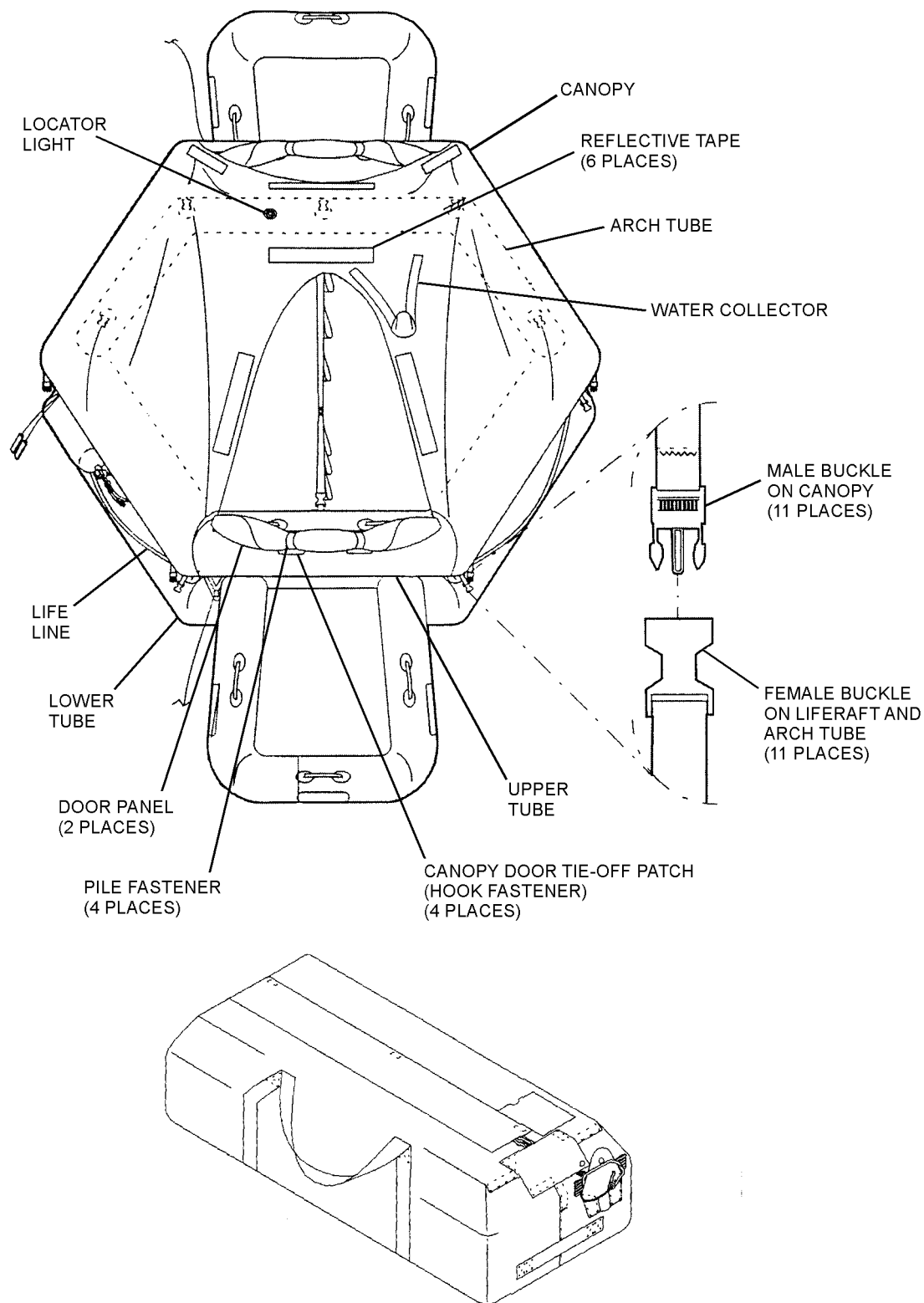


Figure 13-1. Multi-Place Liferaft (MPLR)

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Section 13-3. Maintenance

13-11. GENERAL.

13-12. This section contains information on inspection, packing, cleaning, and repairing the LRU-30A/A, LRU-31A/A, and LRU-32A/A liferafts.

13-13. INSPECTION.

13-14. All MPLR assemblies shall be subject to Place-In-Service, Daily/Pre-Flight, 448-Day, Acceptance, and Five-Year Vendor Overhaul/Repack Inspections.

13-15. Place-In-Service Inspection shall be performed on all new assemblies, and assemblies returned from vendor repair or repack. The aircraft intermediate maintenance department performs this inspection.

13-16. Daily/Pre-flight Inspection shall be performed on fuselage-installed liferafts prior to the first flight of the day. This inspection shall be performed by line personnel (plane captain or delegated aircrewmember) who have been designated, instructed, and found qualified by the aviator's equipment branch.

NOTE

The inspection cycle of the MPLR is limited by the installed survival equipment. The inspection cycle may be adjusted to the inspection cycle of the aircraft in which it is installed, i.e., ISIS or Phase. However, it shall not exceed the service life of the installed radio batteries or 448 days whichever comes first.

13-17. The 448-Day Inspection shall be performed at the AIMD. The interval for MPLR shall not exceed 448 days. In no case shall the cycle go beyond the service life of the installed radio batteries.

13-18. Acceptance Inspection shall be performed in accordance with applicable MIMS and as directed during aircraft transfer.

13-19. Five-Year Vendor Overhaul/Repack Inspection shall be performed every five years. The AIMD and designated vendor perform this inspection. AIMD will remove the liferaft and forward to the designated vendor. AIMD may issue a spare raft and place the

overhauled liferaft in the ALSS pool upon its return from the vendor.

13-20. QUALITY ASSURANCE. The procedures detailed present a logical sequence for proper inspection. Quality assurance steps are provided for critical operations. When a step is underlined, the Aircrew Survival Equipmentmen shall perform the operation, then have performance verified by a Quality Assurance Representative (CDI, CDQAR, or QAR) prior to proceeding to the next operation. Work center supervisors are primarily responsible for quality assurance and, in accordance with OPNAVINST 4790.2 Series, may nominate experienced personnel in their work center to be screened and examined by the Quality Assurance Officer prior to their designation by the Commanding Officer as a Collateral Duty Inspector. In no case shall an Aircrew Survival Equipmentman perform his own quality assurance inspection. Procedures for quality assurance are listed following major operations.

13-21. PLACE-IN-SERVICE INSPECTION. To perform a Place-In-Service Inspection, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Thread, Nylon, Size E	V-T-295 NIIN 00-204-3884

1. Carefully remove liferaft from shipping container. Place liferaft on a clean, flat surface. If possible, save shipping container for future use. Should the liferaft have to be returned for warranty repairs or five-year vendor overhaul/repack, the original container provides excellent form-fit protection.

2. Inspect carrying case for cuts, tears, defects, and abrasions. Inspect attached hardware for security of attachment.

CAUTION

Pulling on inflation pull handle or the attached actuation/mooring line will inflate liferaft.

3. Open carrying case by unsnapping the snaps and separating the hook and pile fastener closures on the

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protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red inflation pull handle keeper flap and place inflation pull handle and actuation/mooring line next to carrying case.

4. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft and enters the tub at the opposite end of the mooring/actuation line. Remove the accessory container and place it next to the liferaft assembly.

5. Untie and remove the white nylon retaining line from the accessory container handles. Pack the accessory container in accordance with paragraph 13-28.

NOTE

Do not remove the frangible links or the cover for the polymer tub in which the liferaft is stowed.

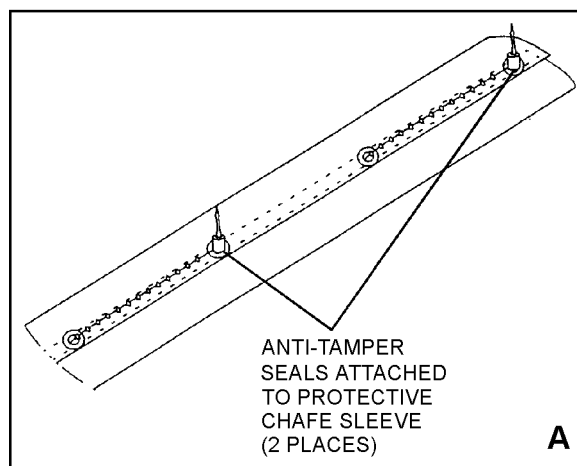
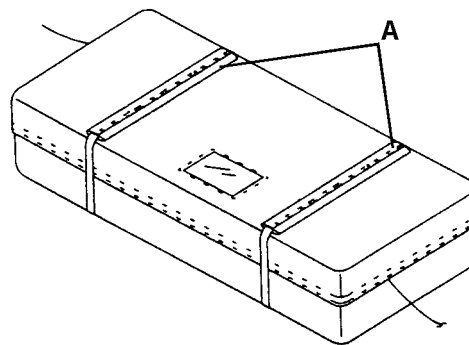
6. Verify the charge in the carbon dioxide cylinder by checking the sight gage located on the inflation valve. The indicator should be in the green. The sight gage is visible through the clear window located in the cover on the polymer tub. If the indicator is in the red, submit a QDR in accordance with OPNAV-INST 4790.2 Series.

NOTE

The manufacturer's record may be kept in the aircraft log book with the seat's record to prevent FOD, or remain with the raft. If manufacturer's record is lost, the liferaft is still considered RFI provided the seat's record is still available.

7. Verify the serial number of the raft against the manufacturer's maintenance record located in the aircraft logbook or in the pocket found on the top of the carrying case. The serial number for the liferaft is found in two locations: on the polymer tub cover and the carrying case.

8. Locate the two liferaft retaining straps that encircle the polymer tub. The straps have urethane coated nylon covers, which protect the frangible links. The covers are secured with hook and pile fastener, and two nylon anti-tamper seals routed through grommets. Inspect the integrity of the anti-tamper seals. If the anti-tamper seals are damaged or broken, submit a QDR in accordance with the OPNAVINST 4790.2 Series.



Step 8 - Para 13-21

13p21s8

9. Pack carrying case in accordance with paragraph 13-29.

13-22. DAILY/PREFLIGHT INSPECTION. To perform a Daily/Preflight Inspection proceed as follows:

1. The Daily/Preflight Inspection on fuselage-installed liferafts shall be accomplished prior to the first flight of the day.

NOTE

Do not break any safety ties or remove ripcord during daily inspection.

2. Inspect carrying case for cuts, tears, and abrasions. Inspect attached hardware for security of attachment.

3. Open daisy chain and ripcord pin covers. Inspect for integrity of ripcord pin safety tie and daisy chain lacing. Close daisy chain and parachute pin covers. Ensure snaps are snapped and hook and pile fasteners are engaged.

4. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 series.

13-23. 448-DAY INSPECTION. To perform a 448-Day Inspection, proceed as follows:

NOTE

The inspection cycle of the LRU-30A/A, LRU-31A/A, and LRU-32A/A is limited by the installed survival equipment. The inspection cycle may be adjusted to the inspection cycle of the aircraft in which it is installed (i.e. ISIS, Phase) however, it shall not exceed the service life of the installed radio batteries or 448 days which ever occurs first.

1. Inspect the carrying case for cuts, tears, and abrasions. Inspect attached hardware for security of attachment. See [paragraph 13-35](#) for authorized repairs.

NOTE

Should the polymer tub need to be removed for cleaning or repair of the carrying case, see [paragraph 13-31](#).

2. Inspect carrying case for dirt and lubricants. Clean carrying case in accordance with [paragraph 13-34](#).



Pulling on inflation pull handle or the attached actuation/mooring line will inflate liferaft

3. Open the carrying case by unsnapping the snaps and separating the hook and pile fastener closures on the protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red inflation pull handle keeper flap and place inflation pull handle and actuation/mooring line next to carrying case.

4. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft and enters the tub at opposite end of the

mooring/actuation line. Remove the accessory container and place it next to the liferaft assembly.

5. Untie and remove the white nylon retaining line from the accessory container handles. Inspect the survival items contained in the accessory container in accordance with [paragraph 13-26](#).

6. Verify the charge in the carbon dioxide cylinder by checking the sight gage located on the inflation valve. The indicator should be in the green. The sight gage is visible through the clear window located in the cover on the polymer tub. If the indicator is in the red on the gage, submit NAMDRP report in accordance with OPNAVINST 4790.2 Series.

NOTE

The manufacturer's record shall remain with the raft at all times.

7. Verify the serial number of the raft against the manufacturer's maintenance record card located in the pocket found on the top of the carrying case. The serial number for the liferaft is found in two locations: on the polymer tub cover and the carrying case.

9. Locate the two liferaft retaining straps that encircle the polymer tub. The straps have urethane coated nylon covers, which protect the frangible links. The covers are secured with hook and pile fasteners and two nylon anti-tamper seals routed through grommets. Inspect the integrity of the anti-tamper seals. If the frangible links are damaged or broken, submit an NAMDRP report in accordance with the OPNAVINST 4790.2 Series.

10. Pack carrying case in accordance with [paragraph 13-29](#).

13-24. ACCEPTANCE INSPECTION. To perform an Acceptance Inspection proceed as follows:

NOTE

The Acceptance Inspection may consist of checking history records and visually inspecting the raft. The raft may be inducted to AIMD for further inspection if directed.

1. Locate history records for raft assembly. Verify expiration dates for installed equipment.

2. Visually inspect liferaft carrying case and verify serial numbers that are visible without opening raft.

NAVAIR 13-1-6.1-1

Ensure vendor's liferaft history record is located in the pocket on top of the carrying case.

3. If directed, or if record and visual inspections detect errors, induct raft to AIMD for 448-Day Inspection.

4. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 series.

13-25. FIVE-YEAR VENDOR OVERHAUL/RE-PACK INSPECTION. To perform a Five-Year Vendor Overhaul/Repack Inspection proceed as follows:

1. Organizational:

a. Remove the liferaft assembly from the aircraft in accordance with applicable aircraft MIMS and induct to AIMD.

2. AIMD:

a. Place liferaft on clean flat surface. Open container by unsnapping snaps and separating hook and pile fasteners.

b. Locate and remove accessory container. Remove retaining line from accessory container handles by untying bowline knot. Inspect survival items in accordance with [paragraph 13-26](#).

NOTE

The Accessory Container and its contents are NOT returned to the vendor with the liferaft for the vendor overhaul/repack.

c. Verify liferaft serial number against vendors maintenance record card located in pocket on carrying case.

d. Unsnap the red inflation pull handle keeper flap, place the actuation/mooring line, the inflation pull handle, and the mooring snaphook in the carrying case on top of the liferaft cover.

e. Close carrying case and secure snaps and hook and pile fasteners. Place liferaft in shipping container. Preferred container is type used by vendor for shipping. If no vendor type shipping containers are available, package liferaft to ensure no damage will occur in shipping. If liferaft is damaged in shipping, vendor will add repair charges to repack inspection.

f. Order vendor overhaul/repack on VIDS MAF using [stock number](#) provided in [Section 13-4](#).

g. AIMD shall issue spare raft from ALSS Pool while liferaft undergoes vendor overhaul/repack.

h. Liferafts returned from Five-Year Vendor Overhaul/Repack Inspection shall receive a Place-in-Service Inspection prior to re-issue.

13-26. SURVIVAL ITEMS AND ACCESSORIES INSPECTION. To inspect survival items and accessories, proceed as follows:

NOTE

Refer to NAVAIR 13-1-6.5 for information on inspection/replacement and modification of survival items.

With exception of batteries, items reaching over-age while packed in survival kits and liferafts shall remain in service until the next inspection cycle of the complete assembly.

1. Inventory all accessory and survival items by checking [items](#) against [table 13-1](#). Replace missing or unsatisfactory items.

NOTE

Ensure radio battery service life does not expire prior to the next scheduled calendar inspection. Refer to applicable radio maintenance publication for battery service life. Batteries which do not meet service life requirements must not be utilized and shall be turned in to supply for disposal in accordance with local instructions.

2. Inspect all items for damage, spent contents, and expired service life. Replace as necessary.

3. Operate all items which are not expended in use. Replace as necessary.

4. Pack accessory items into accessory container in accordance with [paragraph 13-28](#).

13-27. PACKING.

13-28. PACKING OF SURVIVAL ITEMS IN ACCESSORY CONTAINER. The survival items shall be packed into the accessory container at the Place-

in-Service Inspection or after removal for 448-Day Inspection by the intermediate level of maintenance. To pack accessory container proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Cord, Nylon, Type III	NIIN 00-240-2146
As Required	Wrap, Cushioning	NIIN 00-142-9008
As Required	Tape, Pressure Sensitive	NIIN 00-266-5016

1. Inspect survival items in accordance with paragraph 13-26. Refer to table 13-1 for items use and quantity.

NOTE

NAVAIR 13-1-6.5 contains information on inspection/replacement and modifications to survival items.

CAUTION

Do not use paper tapes such as masking tape to secure cushioning wrap or bubble wrap. Tapes of this type are very difficult to remove when wet.

2. Wrap breakable survival items with either rubber-coated cloth or cushioning wrap and secure with rubber bands.

3. Stow accessories and survival items in accessory container. Pack items evenly to keep the container as flat as possible.

4. Tie MROD (if used) and radios to accessory container tie down loops with 48-inch length of Type III nylon cord, using a bowline knot.

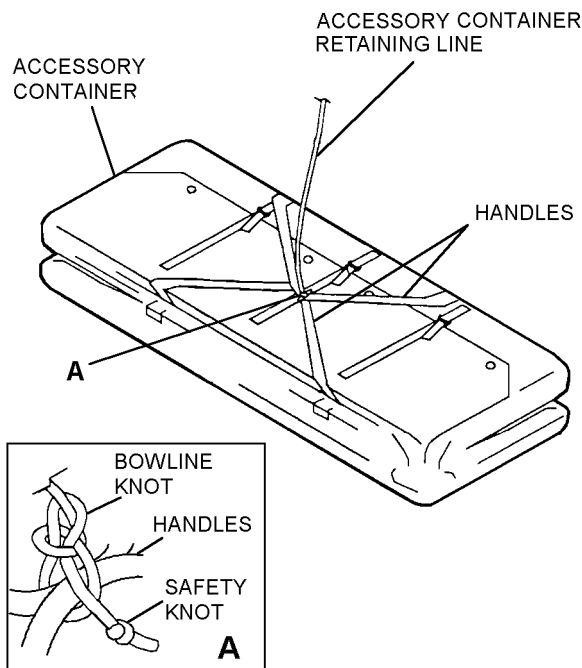
5. Secure latches on first aid kit with several layers of pressure sensitive tape. Using an eight-foot length of Type III nylon cord, tie an overhand knot in both ends. Wrap one end of cord two turns, twice around the first aid kit, on the inside of the latches and tie with a surgeons knot. Route opposite end of cord to accessory container tie down loop and secure with a bowline knot. Stow first aid kit in accessory container.

13-29. PACKING CARRYING CASE. To pack accessory container in carrying case, proceed as follows:

1. Place carrying case with liferaft enclosure assembly on a clean flat surface.

2. Position accessory container retaining line where it exits tub so it is not trapped and place the packed accessory container on top of the liferaft assembly, handles up.

3. Tie the white nylon accessory container retaining line to the center of the handles on the accessory container using a bowline knot. Tack bowline knot with size "E" thread, one turn, secure with surgeon's and square knot. Fake any remaining line at end of container.



Step 3 - Para 13-29

13p29s3

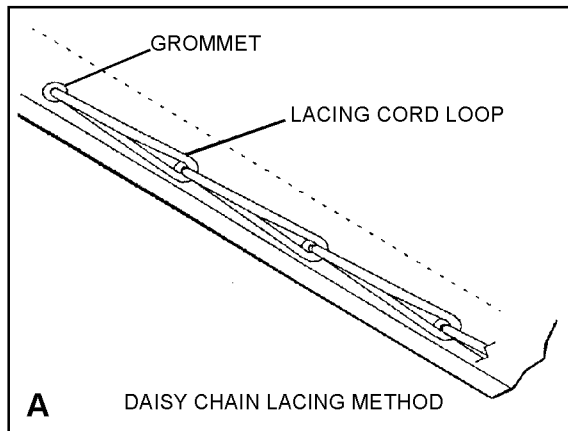
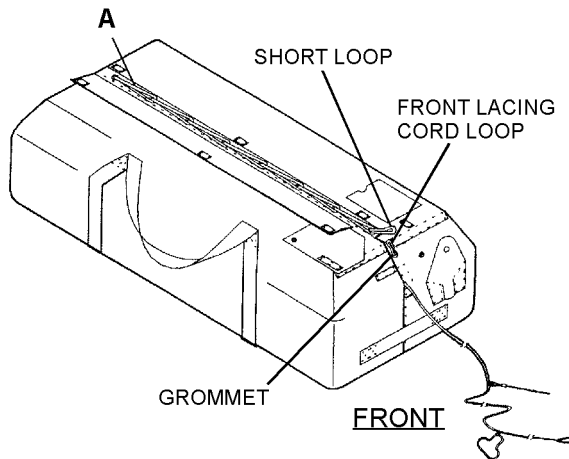
Table 13-1. MPLR Survival Items

Description	Quantity Required			Reference Number	NIIN	SM&R Code
	8-man	12-man	20-man			
Desalter Kit, Sea Water, MK2, Type II (Not E7)	5	6	10	MIL-D-5531	00-372-0592	PAOZZ
Sea Dye Marker	4	5	8	MIL-S-17980	00-270-9986	PAOZZ
Distress Signal MK-124 MOD 0 or Signal Kit, MK-189 MOD 0 (Not E9)	7 1	8 1	10 1	DL 313734 —	01-030-8330 L564-1370-01-418-2657	— —
Water Storage Bag	3	4	7	MIL-B-8571	00-485-3034	PAOZZ
Water, Drinking, Bagged, Emergency (Not E8) w/ MROD w/o MROD	8 20	12 30	20 50	—	01-124-4543	PAOZZ
First Aid Kit	1	1	2	SC-C-6545-IL	00-922-1200	—
Desalinator, Manual Reverse Osmosis	1	1	1	—	01-313-6086	—
Sunburn Preventative Preparation	1	2	3	MIL-S-37800	01-121-2336	PAOZZ
Food Packet, Liferaft	8	12	20	MIL-F-15281	01-028-9406	PAOZZ
Bailing Sponge	1	4	6	L-S-626	00-240-2555	PAOZZ
Combat Casualty Blanket Type I	1	2	3	MIL-B-36964	00-935-6665	PAOZZ
Hand Generated Flashlight A-9 (Not E2)	1	1	1	MIL-F-8209	00-283-9806	PAOZZ
Flare Gun MK-79 MOD 0 (Note 9)	1	1	2	—	00-866-9788	PAOZZ
Signal Light (Strobe) SDU-5/E or SDU-39/N	1	1	1	MIL-L-38217	00-067-5209 00-411-8535	PAOZZ PAOZZ
Light, Chemical	2	2	2	95277-80	01-334-4274	PAOZZ
Signal Mirror, Type I (Not E3) or Signal Mirror, Type II	1	1	1	MIL-M-18371	00-105-1252 01-455-6695 01-455-6671	PAOZZ PAOZZ PAOZZ
Survival Radio (Not E4 and 6) and/or Radio Beacon AN/URT-33A (Not E4)	1	1	1	MIL-B-38401	00-160-2136	PAOGG
Code Card (Not E5)	1	1	1	—	—	—
Whistle Type II	1	1	1	MIL-W-1053	00-254-8803	PAOZZ
Compass, Pocket, Type MC-1 (Note 1) or Compass, Wrist	1	1	1	MIL-C-17850 WCC-100	00-515-5637 00-809-5252	PAOZZ PAOZZ
Pocket Knife	1	1	1	MIL-K-818	00-162-2205	PAOZZ
Cord, Nylon, Utility, 50 feet	1	1	1	MIL-C-5040	00-240-2154	PAOZZ

Table 13-1. MPLR Survival Items (Cont)

Description	Quantity Required			Reference Number	NIIN	SM&R Code
	8-man	12-man	20-man			
Notes: 1. Use MIL-C-17850 until stock is depleted, then use WCC-100. 2. Required for Arctic missions; optional otherwise. 3. The Type II mirror (large) shall be utilized in lieu of the Type I mirror (small) until stock of the Type II mirror is depleted. 4. Survival Radio or Radio Beacon requirements shall be in accordance with OPNAVINST 3710.7 Series. Following radios apply: Voice-Beacon: AN/PRC-90, AN/PRC-90-2, and AN/PRC-149, Beacon only: AN/URT-33, AN/PRT-5, and AN/PRC-140. The AN/PRC-149 will become the preferred radio when available. 5. Refer to NAVAIR 13-1-6.5. 6. Ensure battery service life does not expire prior to the next scheduled special inspection. Refer to applicable radio maintenance publication for battery service life. 7. Authorized for use in Arctic/Antarctic environments. 8. MROD shall be installed if available. MPLR is considered RFI without MROD provided bagged water is increased. MROD should not be used where water temperatures are below 36°F. 9. MK-189 MOD 0 Signal Kit contains 6 MK-124 Day/Night flares and 2 MK-79 MOD 0 flare guns. If used, it fills flare requirements.						

4. Close the carrying case and lace the daisy chain by inserting the lacing cord loops through the grommets and interconnecting the loops.

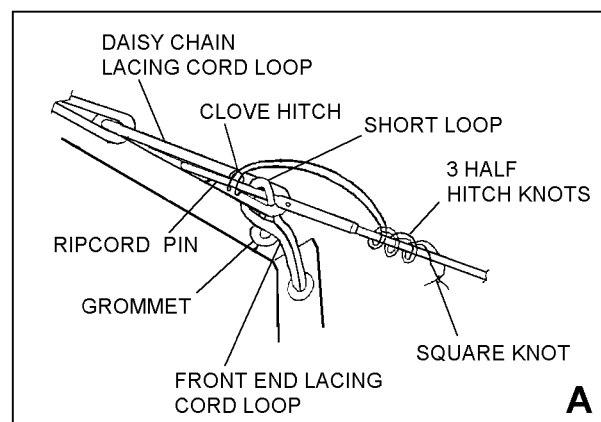
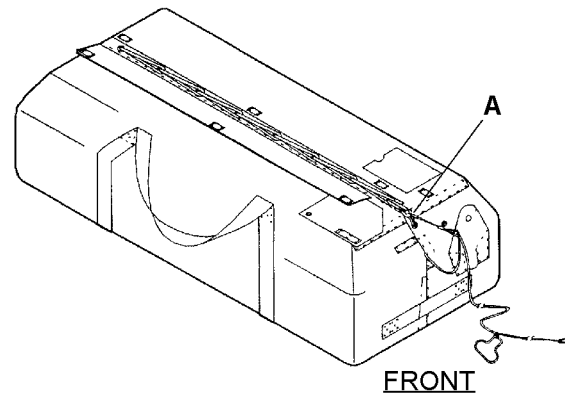


Step 4 - Para 13-29

13p29s4

5. Insert the short loop through the last grommet, place the front lacing cord loop over the short loop, then place the last daisy chain lacing cord loop over the short loop, on top of the front lacing cord loop.

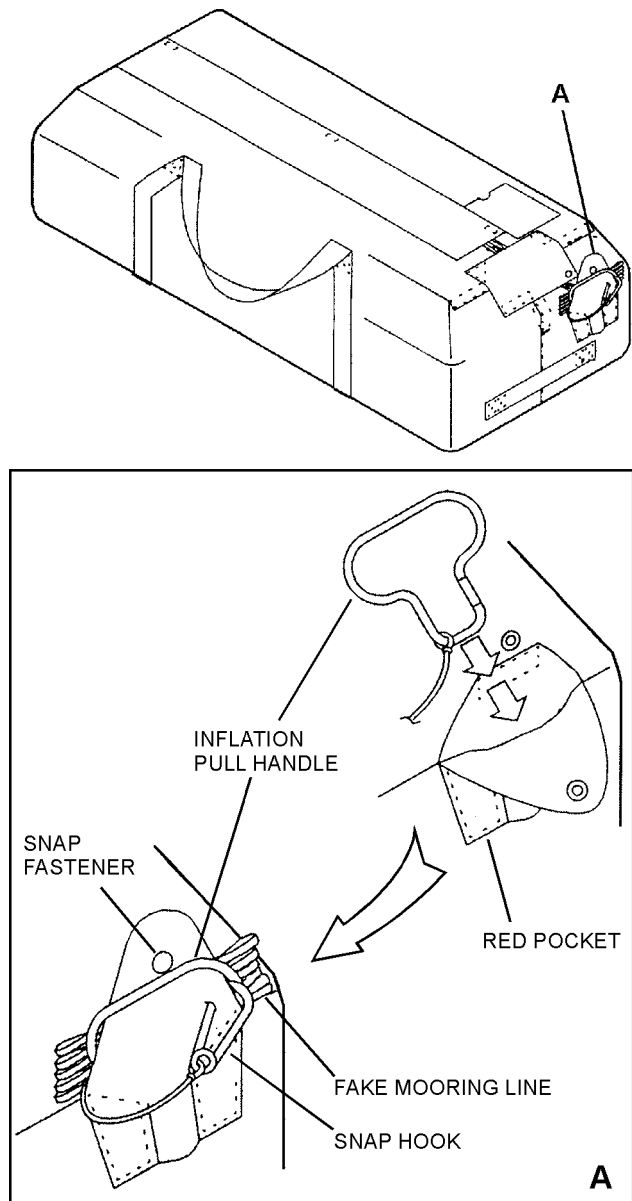
6. Insert the ripcord pin between the top of the short loop and the daisy chain loop. Using "E" thread, safety tie the ripcord pin using a clove hitch, half hitches and square knot. Inspect for proper closure of daisy chain and placement of ripcord pin.



Steps 5 and 6 - Para 13-29

13p29s5

7. Place inflation pull handle in red pocket, carefully fake actuation/mooring line using six-inch width behind inflation pull handle, close and snap ripcord keeper flap. Engage mooring snap-hook on front of keeper flap. Close remaining protective covers and secure snaps and hook and pile fasteners.



Step 7 - Para 13-29

13p29s7

8. Make necessary entries on appropriate form(s) in accordance with the OPNAVINST 4790.2 series.

13-30. REMOVING AND REPACKING LIFERAFT ENCLOSURE ASSEMBLY. To remove and repack liferaft enclosure assembly from carrying case to facilitate repairs or cleaning, proceed as follows:

13-31. Removing Liferaft Enclosure Assembly.

1. Place liferaft assembly on clean flat surface.

CAUTION

Pulling on inflation pull handle or the attached actuation/mooring line will inflate liferaft

2. Open the carrying case by unsnapping the snaps and separating the hook and pile fastener closures on the protective flaps. Cut and remove the safety tie on the single ripcord pin, then remove the pin and unlace the daisy chain. Unsnap the red inflation pull handle keeper flap and place inflation pull handle, actuation/mooring line, and mooring snap hook next to carrying case.

3. Locate the accessory container on top of the liferaft assembly. It has a white nylon retaining line tied to the handles. This retaining line is attached to the liferaft, and enters the tub opposite end of the mooring/actuation line. Remove the accessory container and place it next to the liferaft assembly.

4. Untie and remove the white nylon retaining line from the accessory container handles.

5. Lift liferaft enclosure assembly from carrying case by working hand between carrying case and enclosure assembly so that the enclosure assembly tub can be lifted. Hold carrying case down while pulling upward on enclosure assembly until removed from carrying case.

6. Reposition cover on enclosure assembly tub if it was displaced during removal.

7. Perform required maintenance.

13-32. Repacking Liferaft Enclosure Assembly.

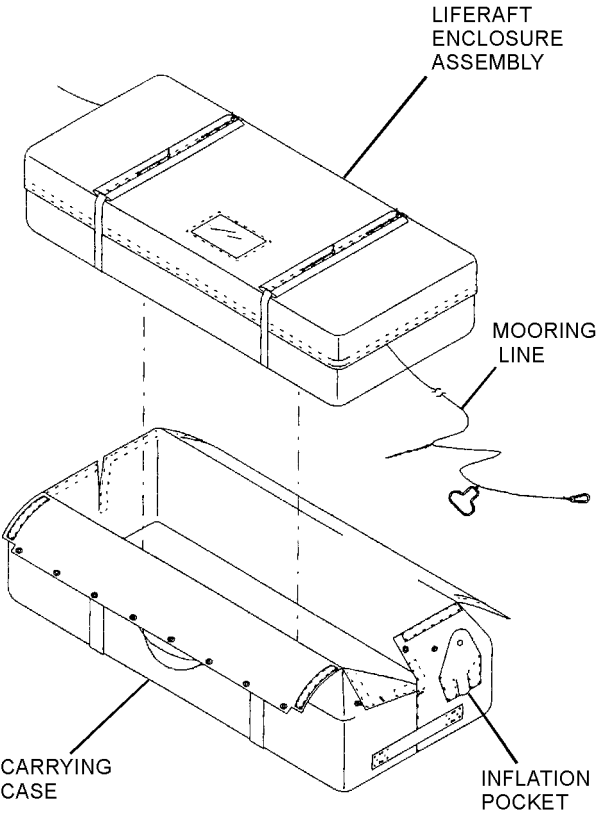
1. Ensure the bottom of the carrying case is free of FOD and sharp objects.



Pulling on inflation pull handle or the attached actuation/mooring line will inflate liferaft

2. Position carrying case and enclosure assembly so the actuation/mooring line will exit the carrying case at the inflation pull end when the enclosure assembly is placed in the carrying case.

3. Place the liferaft enclosure assembly in the carrying case. Check to ensure the cover assembly was not displaced while putting the enclosure assembly in the carrying case. Check for proper routing of actuation/mooring line and accessory container retaining line.



Steps 2 and 3 - Para 13-32

13p32s2

4. Inspect liferaft in accordance with paragraph 13-23.

13-33. CLEANING AND SERVICING.

13-34. CLEANING THE LRU-30A/A, LRU-31A/A, OR LRU-32A/A. To clean liferaft, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Detergent, General Purpose	MIL-D-16791 NIIN 00-282-9699
As Required	Cloth, Lint Free, Type II	MIL-C-85043 NIIN 01-044-9281



Solvents are not to be used in cleaning the liferaft. Use extreme care when cleaning around the area surrounding inflation valve and cable guide.

1. Dab or blot excess oil, fluid or dirt off of area being cleaned. Do not rub into material.
2. Prepare solution of detergent consisting of 1/4 to 1/2 ounce of detergent per gallon of water.
3. Clean affected area with lint free cloth or sponge.
4. Dry with lint free cloth.

13-35. REPAIR/REPLACEMENT.

13-36. Repair of the LRU-30A/A, LRU-31A/A, or LRU-32A/A is limited to the carrying case and accessory container. No attempt shall be made to repair the liferaft. Repair of the carrying case and accessory container are limited to replacing loose or broken stitching, and repair of minor cuts using standard shop repair practices. All repairs shall be documented by making necessary entries on appropriate forms in accordance with OPNAVINST 4790.2 Series. If the liferaft requires repair, it must be returned to the vendor. If the damage was not caused by neglect or abuse, submit an NAMDRP report in accordance with the OPNAVINST 4790.2 Series.

Section 13-4. Illustrated Parts Breakdown

13-37. GENERAL.

13-38. This section lists and illustrates the assemblies and parts of the LRU-30A/A, LRU-31A/A, and LRU-32A/A liferafts.

13-39. The illustrated parts breakdown should be used during maintenance when requisitioning and identifying parts.

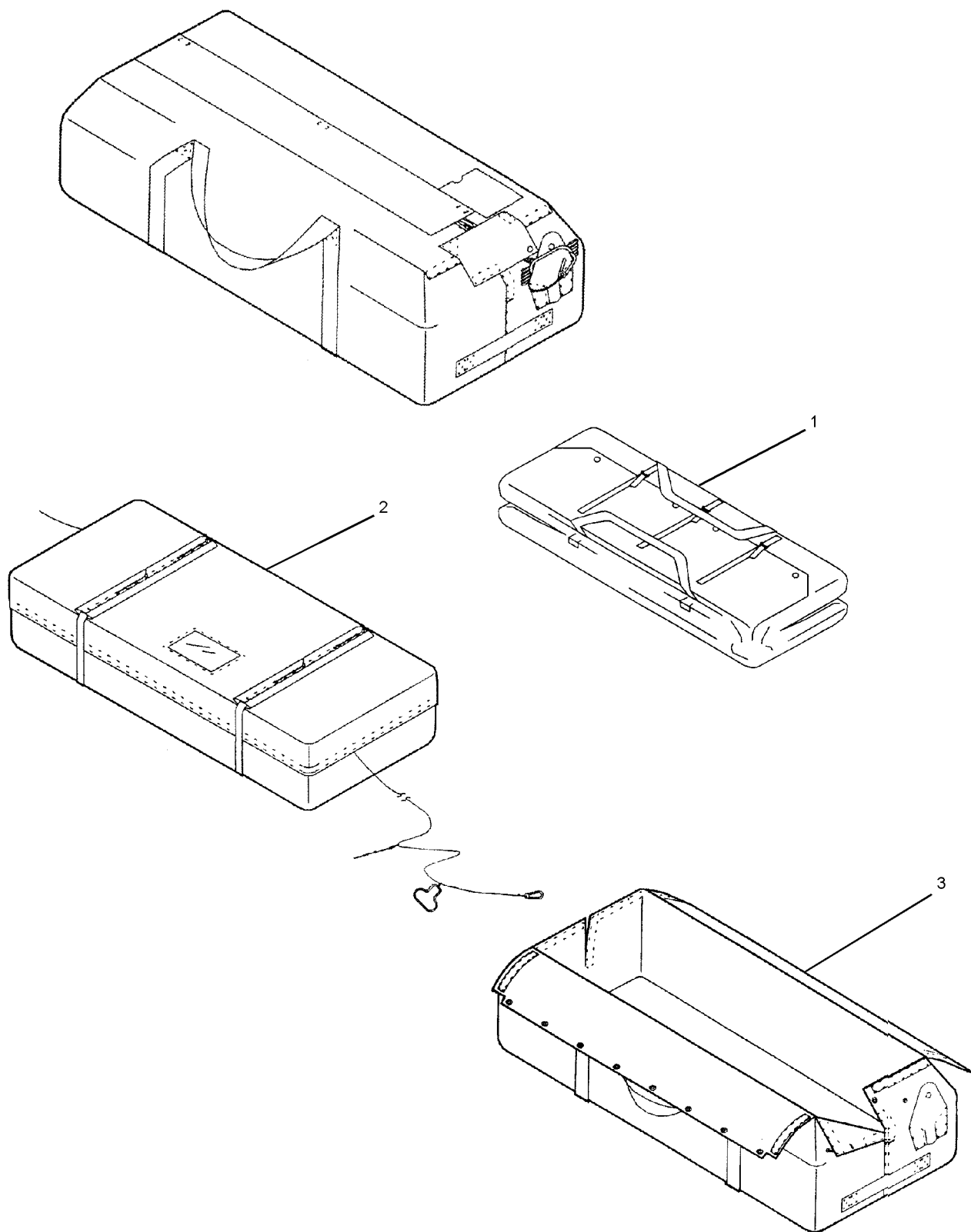


Figure 13-2. Multi-Place Liferaft (MPLR), LRU-30A/A, LRU-31A/A, and LRU-32A/A

013002

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
13-2	64490-103	LIFERAFT ASSEMBLY LRU-30A/A (Note 2) [] [] [] []	REF	A
	64500-103	LIFERAFT ASSEMBLY LRU-31A/A (Note 2) [] [] [] []	REF	B
	64510-103	LIFERAFT ASSEMBLY LRU-32A/A (Note 2) [] [] [] []	REF	C
-1	64610-101	. SURVIVAL EQUIPMENT CONTAINER LRU-30A/A	1	A
	64611-101	. SURVIVAL EQUIPMENT CONTAINER LRU-31A/A	1	B
	64612-101	. SURVIVAL EQUIPMENT CONTAINER LRU-32A/A	1	C
-2	65770-101	. LIFERAFT AND ENCLOSURE ASSEMBLY ... (Polymer Tub) LRU-30A/A	1	A
	65637-101	. LIFERAFT AND ENCLOSURE ASSEMBLY ... (Polymer Tub) LRU-31A/A	1	B
	65793-101	. LIFERAFT AND ENCLOSURE ASSEMBLY ... (Polymer Tub) LRU-32A/A	1	C
-3	65774-101	. CARRYING CASE, Liferaft LRU-30A/A LRU-30A/A	1	A
	65611-101	. CARRYING CASE, Liferaft LRU-31A/A LRU-31A/A	1	B
	65794-101	. CARRYING CASE, Liferaft LRU-32A/A LRU-32A/A	1	C
	-	FIVE YEAR OVERHAUL, Repack (Note 2) [] [] [] [] (NSN XXXXXXXXXXXXXXX)	REF	
Notes: 1. Assembly includes Liferaft, Carrying Case, and Survival Equipment Container. Survival equipment must be ordered separately. 2. Order Five-Year Vendor Overhaul/Repack on VIDS/MAF OPNAVFORM 4790/66.				

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